Think GAIA
For Life and the Earth

SANYO

PRELIMINARY

It's not just a camcorder.

It's a Dual Camera

PHOTOS & VIDEOS

Black

FULL HD 1920×1080

VPC-FH1 Series

8M Photos & Full HD Videos

- True Progressive Full HD (1080 60p)
- High Speed Sequential
- 16x Advanced Zoom

Gold

Xacti

8M Photos & Progressive Full HD Videos

8M Photos & 1080 60p Videos

The 8-megapixel CMOS of the Xacti FH1 enables beautiful photos with vivid color and intricate detail. The MPEG-4 AVC/H.264 format creates small, easy to handle files, and longer recordings. The Xacti FH1 also connects directly to a large-screen 16:9 HDTV.

High-Speed Sequential Shooting

The FH1 is capable of high-speed sequential shooting at 6 frames per second (up to 9 frames) in [8M] mode, ensuring that you won't miss important shots. It also allows sequential shooting at 12 frame per second (up to 15 frames) in [4M] mode.

16x Advanced Zoom

The FH1 offers the latest in zooming technology, with a special 16x advanced zoom function.
The new-style zoom gives a broader view as it zooms in, meaning more of the scene makes it into the zoom than ever before.

Large 2.7˝ LCD Monitor

This large monitor makes it easy to see images. It rotates about 285 degrees for high/low angle shooting, or can be turned to see yourself. Closing the monitor activates stand-by mode, and opening it starts the Xacti FH1 up for shooting.

HDMI Output

The supplied cradle has three ports for HDMI, component video and USB connection. This makes it extremely simple to watch recorded images on an HDTV, record images to a DVD or HD recorder, and connect to a PC or printer.

Build an Xacti Library onto an External Hard Disk Drive

A hard disk drive can be connected to the USB port of the supplied cradle to copy image files from Xacti without a PC, and view the images on a TV screen in their original high quality. An Album function organizes hard disk files.

· Face Chaser for Photos & Videos · 1/4 (240fps) & 1/10 (600fps) Super Slow · Long Life (180min.) Li-ion Battery · Digital Image Stabilizer for Photos & Videos

■ Various Shooting Mode

Scene select	Digital Filter
sports/portrait/ landscape/night portrait/ snow & beach/ fireworks/lamp	cosmetic/ monochrome/ sepia

■ Other Features

In camera editing function · Versatile manual mode · 9-point AF · Talking navigation guide · Front-side headphone jack · Playback zoom & copy · Self-timer 2sec/10sec · Internal flash · Voice recorder function · Included PC video editing kit · Stereo recording · Simple mode · Super Macro Shooting: 1cm · PictBridge · Exif Print

Multi-language Graphical User Interface:
English/ French/ German/ Spanish/ Italian/ Dutch/ Russian/ Portuguese/ Turkish/ Thai/ Korean/ Simplified Chinese/ Traditional Chinese

Model Number		VPC-FH1 Series
Effective pixel count	Photo	Approx. 8.0 megapixels
	Video	Full HD / Approx. 5.31 megapixels (in HD), Approx. 2.00 megapixels (in SD)
Image sensor		C-MOS sensor, 1/ 2.5 inch, approx. 8.10 megapixels
Recording media		SD Memory Card (Up to 32 GB SDHC Memory Card)
Recording file format	Photo	JPEG (DCF*1, DPOF*2, Exif Ver2.2*3 standard)
	Video	ISO standard MPEG-4 AVC/ H.264 (.MP4), Audio: 48 kHz sampling, 16 bit, 2ch, AAC compression
Resolution (pixels)	Photo	[12 M]: 4000 x 3000, [8M-H]: 3264 x 2448 (low compression), [8 M-S]: 3264 x 2448 (standard compression), [6.0 M (16:9)]: 3264 x 1840, [2 M (16:9)]: 1920 x 1080, [2 M]: 1600 x 1200 [0.9 M (16:9)]: 1280 x 720, [0.3 M]: 640 x 480
	Sequential	[8 M]: 3264 x 2448, [4 M]: 2288 x 1712, [8 M]: 3264 x 2448 (6 fps, max.9 shots), [4 M]: 2288 x 1712 (6 fps, max.9 shots)
	Video*4	[Full-HR]: 1920 x 1080 (60 fps), [Full-HD]: 1920 x 1080 (60 fields/ sec), [Full-SHQ]: 1920 x 1080 (30 fps, 12 Mbps), [HD-SHQ]: 1280 x 720 (30 fps, 9 Mbps), [TV-SHQ]: 640 x 480 (30 fps, 3 Mbps)
	High Speed (SlowMotion)	Web-SHR: 448 x 336 (240 fps Rec / 60 fps Play, 1/ 4 Slow), Web-UHR: 192 x 108 (600 fps Rec / 60 fps Play, 1/ 10 Slow)
Lens		f= 5.95 - 59.5 mm, F= 2.0 (wide) - 2.8 (tele), Auto Focus, 9 groups, 12 elements (4 aspheric elements, 8 aspheric surfaces), Built-in ND filter
Angle of View / Zoom ratio (35mm equiv.)		Photo: f=35.7 - 357 mm 10x Optical Zoom, Video: f=41.7 - 666.9 mm 16x Advanced Zoom
Photo range		Standard: 50 cm - ∞ (wide), 1.0 m - ∞ (tele), Super macro: 1 cm - 80 cm (wide)
Shutter speed	Photo	1/ 2 - 1/ 1500 sec. (Flash: 1/ 30 - 1/ 1500 sec., Lamp mode: Max. 4 sec.)
	Sequential	1/ 15 - 1/ 1500 sec. (No flash)
	Video	1/ 30 - 1/ 10000 sec.
Digital zoom	Shooting	Max. approx.10x, Total zoom range: 100x (Photo)/ 160x (Video)
	Playback	Max. approx. 62.5x ([12 M] mode, varies with resolution)
Focus		Auto (Photo: 9-point AF/ Spot AF, Video: Continuous area AF), Manual: 22 steps
Scene select		Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Fireworks, Lamp
Digital filter		Standard, Cosmetic, Monochrome, Sepia
Photometry		Multi, Center-weighted, Spot
Minimum illumination for Video		Approx. ** lux (Auto mode, 1/ 30sec.), Approx. ** lux (High sensitivity or Lamp mode, 1/ 15sec.) <TBD>
Sensitivity		Auto (ISO50 - 200), Manual (ISO50/ 100/ 200/ 400/ 800/ 1600/ 3200, Switching System)
Exposure correction		±1.8EV (in 0.3EV steps)
Digital image stabilizer	Photo	Multi - calculation electronic image stabilizer
	Video	Electronic image stabilizer
Face Detection		up to 12 faces at same time
Other functions		Wind noise reduction
Self timer		2 sec./ 10 sec.
White balance	Auto	Full auto TTL
	Manual	Sunny, Cloudy, Fluorescent, Incandescent, One-push
Flash		Auto, Forced (with slow synchro in Night Portrait mode), Off
Flash range		GN= 4.0, Approx. 50 cm to 4 m (wide), Approx. 80 cm to 2.9 m (tele)
Audio		Microphone: Built-in stereo, Speaker: Built-in monaural (L/ R mixed output)
Monitor		3.0 inch Low-temperature polysilicon TFTcolor wide screen LCD, Approx. 230,000 pixels (7-level brightness, 285-degree rotation)
Interface		AV output (Video: HDMI/ Component video/ S-video/ Composite Video, NTSC/ PAL; Audio: Stereo) USB2.0 (high-speed mode)
Languages		English/ French/ German/ Spanish/ Italian/ Dutch/ Russian/ Portuguese/ Turkish/ Thai/ Korean/ Simplified Chinese/ Traditional Chinese
Power source		Lithium-ion battery (DB-L50, included: 1900 mAh)
Power consumption		Using battery: 4.3 W (when shooting videos)
Apporx. Battery life *5	Photo	Approx. ** Photos (CIPA standerd) <TBD>
	Video	Approx. ** min., Continuous playback: Approx. ** min. <TBD>
Dimensions/ Volume		53.3 (W) x 105.0 (D) x 57.3 (H) mm (maximum dimensions, excluding protruding parts), Approx. 253 cc
Weight		Approx. 299 g (Body only), Approx. 342 g (including battery and SD card)
Operating environment		Temperature 0 - 40 °C (32 °F - 104 °F), Humidity 30 - 90 % (non-condensing)

Photo Capacities and Recording Times

SD Memory Card	Video Recording Time (Total Time)							
	Full-HR	Full-HD	Full-SHQ	HD-SHQ	TV-SHQ	Web-SHR	Web-UHR	Audio Only
4GB	21 min. 52 sec.	32min. 40 sec.	43 min. 23 sec.	57 min. 32 sec.	2 hr. 45 min	1 hr. 4 min	1 hr. 4 min.	64 hr.
8GB	43 min. 53 sec.	1 hr. 5 min.	1 hr. 27 min.	1 hr. 55 min.	5 hr. 32 min.	2 hr. 9 min.	2 hr. 9 min.	130 hr.
16GB	1 hr. 28 min.	2 hr. 11 min.	2 hr. 54 min.	3 hr. 51 min.	11 hr. 6 min.	4 hr. 19 min.	4 hr. 19 min.	261 hr.

SD Memory Card	Still Image Capacity									
	12M	8M-H	8M-S	6M [16:9]	2M[16: 9]	2M	0.9M [16:9]	0.3M	8M (Sequential)	4M (Sequential)
4GB	1,000	1,000	1,470	1,960	5,390	5,640	10,300	24,800	1,470	2,950
8GB	2,000	2,000	2,960	3,950	10,800	11,300	20,700	49,800	2,960	5,920
16GB	4,020	4,020	5,940	7,920	21,700	22,700	41,600	99,800	5,940	11,800

** Available video clip recording time is shown when a re-formatted card is inserted. * Photo capacities and video recording times are approximations only and may vary according to the memory card type and manufacturer, the subject and the shooting conditions. Particularly, when a low-speed SD card is used with Full-HR, Full-HD, Full-SHQ and HD-SHQ modes, consecutive shooting may be limited to only a few seconds. * When continuous recording time exceeds approximately 13 hours for audio, the file will be saved, and the subsequent data will be saved in a new file. Similarly, when the recording file size exceeds 4 GB, the file will be saved and subsequent data will be saved in a new file. (A new file is automatically created for every 4 GB. Although recording will continue until stopped, recording of video clips and sound will stop while files are being saved.) * The maximum recording time for one video clip at [Web-SHR] and [Web-UHR] is approximately 10 seconds (with no sound recording).*

Included Accessories
·CD-ROM (Xacti Software CD 1.3) ·S-AV cable ·Li-ion battery pack ·Lens cap ·USB cable ·Component cable ·AC adaptor ·Grip belt ·USB adaptor ·RC unit

Optional Accessories
- Li-ion Battery: DB-L50 • Battery Charger: VAR-L50 • AC Adaptor: VAR-G9
- Wide Conversion Lens: VCP-L07W1 <Available soon>
- Telephoto Conversion Lens: VCP-L15T <Available soon>
- Super Wide Conversion Lens: VCP-L04SW <Available soon>
- mini HDMI Cable: VCP-HDMI02 <Available soon>
- Filter Set: VCP-F03SET <Available soon>

Product appearance and specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective manufacturer. SANYO makes no warranties or representations of any kind with respect to these products.

*1 DCF (Design rule for Camera File system) is a standard designed by the Japan Electronics and Information Technology Association (JEITA) primarily to facilitate the use of image files from digital cameras with related devices. *2 DPOF (Digital Print Order Format) is a format for recording on storage media information specifying frames and numbers of copies for printing of images taken by digital cameras. *3 Exif Ver. 2.2 is an industry standard established for file formatting of images from digital cameras. *4 The actual frame rates for this model are 59.94 fps at 60 fps, 29.97 fps at 30 fps, 239.76 at 240 fps and 599.4 fps at 600 fps. *5 Number of pictures based on CIPA (Camera & Image Products Association) standards. Video times reflect shooting in [Full-HD] mode. Playback times reflect continuous playback. Actual times may vary.

Further details regarding this product can be accessed at **http://www.sanyo-dsc.com/english/**

Caution: please consult the instruction manual to ensure safe and proper operation of the product.

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